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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/722,174	11/25/2000	Kia Silverbrook	NPA081US	3854	
24011	7590 09/26/2005		EXAMINER		
SILVERBROOK RESEARCH PTY LTD			GRAHAM, C	GRAHAM, CLEMENT B	
BALMAIN,	NG STREET 2041		ART UNIT	PAPER NUMBER	
AUSTRALÍ	•		3628		
			DATE MAILED: 09/26/200	DATE MAILED: 09/26/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Clement B. Graham		Application No.	Applicant(s)				
Examiner	•						
Clement B. Graham   3628	Office Action Summary						
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Estansizor of time may be availation used the provision and 37 PCR 1.136µ, in overvin, however, may a reply be timely fleed after \$X (to NACHTS) from the mailing date of this communication.  Failure to reply within the exit or administed paids for reply (iii) by statutio, queries SX (to NACHTS) from the mailing date of this communication.  Failure to reply within the exit or administed paids for reply (iii) by statutio, queries ANACOMED (50 US. 0, 19.33).  Any reply received by the Office later than there motits after the mailing date of this communication, even if timely fleet, may reduce any samed patent term edipationate. Set 37 CFR 1.794(b).  Status  1) Responsive to communication(s) filled on 20 June 2005.  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-47 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1-47 is/are allowed.  6) Claim(s) 1-47 is/are allowed.  7) Claim(s) 1-47 is/are rejected.  7) Claim(s) 1-47 is/are rejected.  7) Claim(s) 1-47 is/are rejected to.  8b) Claim(s) 1-47 is/are rejected to.  8c) Claim(s) 1-47 is/are rejected to.  9c) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or bisected to be the drawing(s) is objected to. See 37 CFR 1.85(a).  Replacement drawing sheet(s) inducing the correction is required if the drawing(s) is	•						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Exercision for many be available under the provision of 37 CFR 1.36(a). The event, however, may a reply be threly filed  If NO period for reply is specified above, the maximum statutory paried will apply and will expire SIX (8) MONTHS from the mailing date of this communication. Failurs to reply will will be set or casemble period for require under the maximum statutory paried will apply and will expire SIX (8) MONTHS from the mailing date of this communication. Failurs to reply will will be set or casemble period for the become MARMONED IGS U.S. C. § 1333. Any reply received by the Office lear both three months after the mailing date of this communication, even if timely filed, may reduce any search period that many displants. Set 7 GFR 1.74(b).  Status  1) Responsive to communication (s) filed on 20 June 2005.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-42 is/are pending in the application.  4) Claim(s) 1-42 is/are allowed.  6) Claim(s) 1-42 is/are application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-42 is/are pending in the application.  4) Claim(s) 1-42 is/are pending in the application.  4) Claim(s) 1-42 is/are application is application for estimation from consideration.  5) Claim(s) 1-42 is/are application is application for estimation from consideration.  6) Claim(s) 1-42 is/are application from the provision of the drawing(s) filed by the Examiner.  10) The drawing(s) filed on 1-45 is/are application for a claim for foreign	The MAILING DATE of this communication a						
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Easensine of time may be available under the provisions of 37 cFt 1.13(a). In ne event, however, may a reply be limely filed after 50x (6) MONTHS from the mailing date of this communication.  FNO period for reply is specified above, the maximum statutory particularly all capits DX (6) MONTHS from the mailing date of this communication.  Any reply received by the Office later from these months after the mailing date of this communication, even if timely filed, may reduce any centred partent term adjustment. Sea 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 20 June 2005.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1/47 is/are pending in the application.  4a) Of the above claim(s) is/are allowed.  (b) Claim(s) 1/47 is/are rejected.  7) Claim(s) is/are allowed.  (c) Claim(s) 1/47 is/are rejected to.  8) Claim(s) 1/47 is/are rejected to.  8) Claim(s) 1/47 is/are rejected to by the Examiner.  10) The drawing(s) filed on 1/4 is/are: a) accepted or b) objected to by the Examiner.  Application Papers  9) The specification is objected to the trawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheel(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * C) None of:  1. Certified copies of the priority documents have been received in Application No. 20 (PTO-413).  3. Copies of the certified copies of the priority documents have been received in this National Stage applica	Period for Reply						
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### **DETAILED ACTION**

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/20/2005 has been entered.
- 2. Claims 1-47 remained pending.

## Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. The factual inquiries set forth in Graham v. John Deere Co., 148 USPQ 459, that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
  - 1. Determining the scope and contents of the prior art.
  - 2. Ascertaining the differences between the prior art and the claims at issue.
  - 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or unobviousness.
- 5. Claims 1-19, 21, 23-24, 26-40, 42-44 and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Perazza patent (5,326,959) in view of Ogawa et al(Hereinafter U.S Patent 5, 608, 874.

The Perazza patent discloses a method of enabling bill payment of bills comprising the steps of providing a person with a bill containing information relating to a payment (cot. 11, lines 1-13 receiving indicating data from a sensing device (cot. 16, lines 29-54 and cot. 11, lines 1822) and identifying at least one parameter relating to the payment (cot. 16, lines 24-54).

Perazza fail to explicitly teach sensing the indicating data relative to a bill.

However Ogawa discloses In one embodiment, the data transmission process is invoked in step, where the uploading process is initiated via Telecommunications Software. In step, Provider connects with ComServer and upon being validated by the methods discussed in the description of FIG. 5, receives clearance to transmit a copy of

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Provider Data File to Main Processing Section. At this point Provider Data Files that had been placed in Provider's Outgoing Data Box in step are read in step, copies being transmitted in step over Telecommunications Link, to Main Processing Section. In step, Telecommunications Software determines whether a copy of Provider Data File has been transmitted successfully. Successful data transmission is signaled to Main Processing Section by a response produced by the modem protocol. Most standard modem protocols including X, Y, and Z modem protocols have internal error checking means to carry out such a signaling process. If Provider Data File has been successfully transmitted, then the Provider Data File duplicate remaining in Outgoing Data Box is "moved" to History Data Box in step, for example by simply renaming the subdirectory. If Provider Data File is not successfully transmitted, then an error appears in Provider Error Log, in step. Data Provider File Management Program is thus completed 9see column 11 lines 17-41).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Perazza to include sensing the indicating data relative to a bill inorder to transfer data and translation such as accounting data from a variety of remote sources and formats.

## Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
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  - 1. Determining the scope and contents of the prior art.
  - 2. Ascertaining the differences between the prior art and the claims at issue.
  - 3. Resolving the level of ordinary skill in the pertinent art.
  - 4. Considering objective evidence present in the application indicating obviousness or unobviousness.
- 8. Claims 20, 41 and 45 are rejected under 35 U.S.C. 103(a) as being unpatentable

over the Perazza patent in view of the PCT application WO 99/50787 (XEROX).

The Perazza patent discloses all the elements of the claimed invention, as stated above, except the data being substantially invisible (claims 20 and 45) and the sensing

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device having a marking nib (claim 41). The XEROX reference teaches the data being substantially invisible (page 8, lines 23-25) and the sensing device having a marking nib (505, page 14, lines 10-19). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the Perazza patent to have substantially invisible data so as to interfere with other visible markings on the bill and to have a sensing device with a nib so that should marks be necessary on the bill, they can be made at the time of reading the bill with the sensing device.

- 9. Claim 22, is rejected under 35 U.S.C. 103(a) as being unpatentable over the Perazza patent in view of the Story patent (5,673,430). The Perazza patent discloses all the elements of the claimed invention, as stated above, except the bill using a mixture of multicast and pointcast communication protocols (claim 22). The Story patent teaches the use of multicast and pointcast communication protocols (col. 3, lines 14-19). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the Perazza patent to use multicast and pointcast communication protocols so as to reduce operating costs.
- 10. Claims 25 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Perazza patent in view of the Japanese Patent Abstract 10194562 A.

The Perazza patent discloses all the elements of the claimed invention, as stated above, except the binding of a multipage bill (claims 25 and 47). The Japanese patent abstract reference teaches the binding of multiple pages of the bill (Solution portion of Abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the Perazza patent to have a means of binding a bill having multiple pages so that the various pages will remain together and reduce the opportunity for them to become separated.

#### Conclusion

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## **Response to Arguments**

Applicant 's arguments filed on 06/20/2005 have been fully considered but they 9. are moot in view of new grounds of rejections.

16 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clement B Graham whose telephone number is 703-305-1874. The examiner can normally be reached on 7am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung S. Sough can be reached on 703-308-0505. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-0040 for regular communications and 703-305-0040 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CG

September 10, 2005